Three-Input HDBaseT Transmitter for HDMI and VGA

AT-HDVS-200-TX / AT-HDVS-200-TX-PSK

The Atlona **AT-HDVS-200-TX** is a 3×1 switcher and HDBaseT transmitter with two HDMI inputs and a VGA input with audio. Video signals up to 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling, plus embedded audio, control, and Ethernet can be transmitted up to 330 feet (100 meters). The two-channel audio input can be assigned to any of the video inputs and embedded for HDBaseT transmission. The HDVS-200-TX is designed for use with the AT-OME-RX21 4K scaling receiver, but can also be used with Atlona switchers and matrix switchers with HDBaseT inputs. This transmitter can serve as an integral component of a fully automated AV system, with the convenience of automatic input selection and display control. It is remotely powered by the OME-RX21 or other Atlona devices over HDBaseT.

The **AT-HDVS-200-TX-PSK** is identical to the AT-HDVS-200-TX, with the addition of local powering capability and an external power supply.

Package Contents

AT-HDVS-200-TX

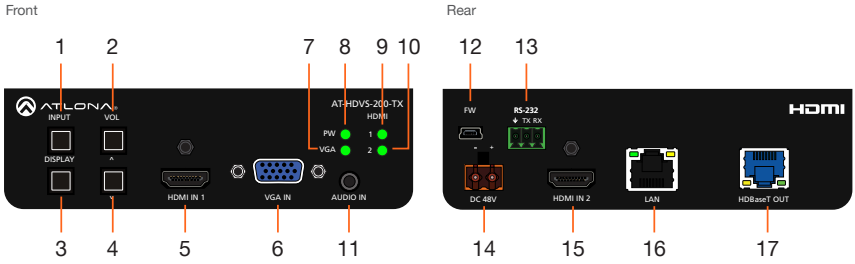
1 x AT-HDVS-200-TX
1 x Captive screw connector, 3-pin
1 x Mounting brackets
1 x Installation Guide

AT-HDVS-200-TX-PSK

1 x AT-HDVS-200-TX-PSK
1 x Captive screw connector, 3-pin
1 x 48V DC power supply
1 x Mounting brackets
1 x Installation Guide

IMPORTANT: Visit https://www.atlona.com/product/AT-HDVS-200-TX or https://www.atlona.com/product/AT-HDVS-200-TX-PSK for the latest firmware updates and Installation Guide.

Panel Descriptions



1 **INPUT**
Press this button to cycle through each of the available inputs: **HDMI IN 1**, **HDMI IN 2**, and **VGA IN**.

2 **VOL/UP**
Press this button to adjust the volume on the connected display. Refer to the User Manual for more information.

3 **DISPLAY**
Press this button to trigger user-defined RS-232/CEC/IP display control commands. Refer to the User Manual for more information.

4 **VOL/DOWN**
Press this button to adjust the volume on the connected display. Refer to the User Manual for more information.

5 **HDMI IN 1**
Connect an HDMI cable from this port to an HD source.

6 **VGA IN**
Connect a VGA cable from this port to a VGA source.

7 **VGA**
This LED indicator will glow bright green when the VGA IN port is selected.

8 **PW**
This LED indicator will glow bright green when the switcher is powered.

9 **AUDIO IN**
Connect a 3.5mm mini-stereo audio cable, from an analog audio source, to this port.

10 **HDMI 1**
This LED indicator will glow bright green when the **HDMI IN 1** port is selected.

11 **HDMI 2**
This LED indicator will glow bright green when the **HDMI IN 2** port is selected.

12 **FW**
Connect a mini USB to USB-A type cable from this port to a computer to update the firmware.
Refer to the User Manual for more information.

13 **DC 48V**
Connect the power supply to this port to power an HDBaseT receiver, projector, or other PoE device.

NOTE: The **DC 48V** port is only available on the AT-HDVS-200-TX-PSK.

14 **RS-232**
Connect the included 3-pin captive screw from this connector to an RS-232 control device.

15 **HDMI IN 2**
Connect an HDMI cable from this port to an HD source.

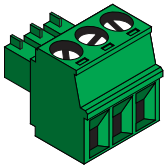
16 **LAN**
Connect an category cable from this port to the network.

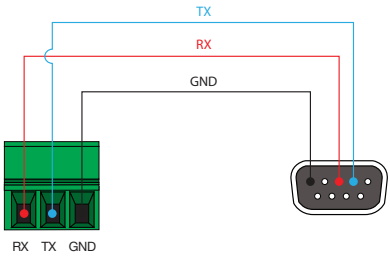
17 **HDBaseT OUT**
Use an category cable to connect an HDBaseT PoE receiver to this port.

RS-232

The AT-HDVS-200-TX / AT-HDVS-200-TX-PSK provides RS-232 control between an automation system and an RS-232 device. This step is optional and is used when connecting a computer that is running the control software.

1. Use wire strippers to remove a portion of the cable jacket.
2. Remove at least 3/16" (5 mm) from the insulation of the RX, TX, and GND wires.
3. Insert the TX, RX, and GND wires into correct terminal on the included captive screw block. If using non-tinned stranded wire, press the orange tab, above the terminal, while inserting the exposed wire. Repeat this step for the TX, RX, and GND connections.



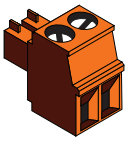


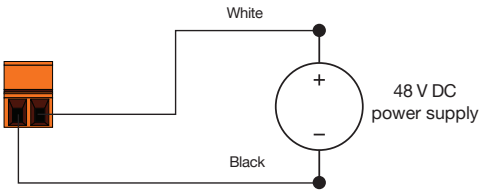
Power

NOTE: The **DC 48V** port is only available on the AT-HDVS-200-TX-PSK.

Locate the included orange captive screw connector and wire the included power supply to the block, as shown below. Do not use high-torque devices, when securing the wires to the captive screw connector, as this may damage the screws and/or connector block.

1. Insert the wires into the correct terminal on the included captive screw connector, as shown below.
2. Tighten the screws to secure the wires. Do not use high-torque devices as this may damage the screws and/or connector block.
3. Connect the captive screw connector to the DC 48V power receptacle on the AT-HDVS-200-TX-PSK.

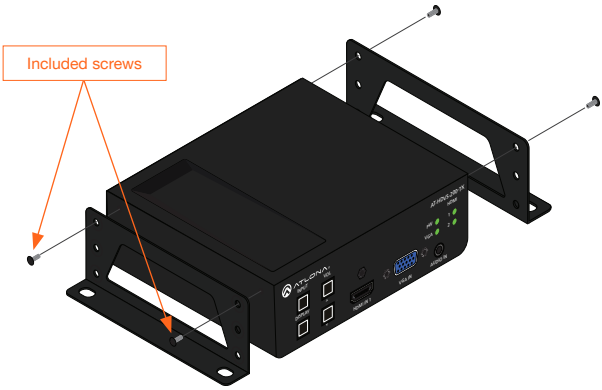




Mounting Instructions

The AT-HDVS-200-TX / AT-HDVS-200-TX-PSK includes four mounting brackets and eight mounting screws, which provides the option of mounting each unit to any flat surface. The mounting procedure is the same for both the transmitter and receiver.

1. Position one of the mounting brackets, as shown below, aligning the holes on the side of the enclosure with one set of holes on the mounting bracket.
2. Use the enclosure screws to secure the mounting bracket to the enclosure.
3. Repeat the above steps to attach the second mounting bracket to the opposite side of the unit.



4. Mount the unit using the oval-shaped holes, on each mounting bracket. If using a drywall surface, a #6 drywall screw is recommended.

NOTE: Mounting brackets can also be inverted to mount the unit under a table or other flat surface.

Installation

1. Connect an HDMI cable between the HD source and the **HDMI IN 1** port on the switcher.
2. Connect another HDMI cable between another HD source and the **HDMI IN 2** port on the switcher.
3. Connect a VGA cable from a VGA source to the **VGA IN** port on the switcher.
4. Connect a 3.5 mm mini-stereo cable from the **AUDIO IN** port on the switcher to the analog audio source. The AT-HDVS-200-TX / AT-HDVS-200-TSK-PSK can pass audio either with or without a video signal. Refer to the User Manual for more information.
5. Connect an category cable, up to 330 feet (100 meters), from the **LAN** port on the switcher to a Local Area Network (LAN). Refer to the User Manual for more information.
6. Connect a category cable, up to 230 feet (70 meters), from the **HDBaseT OUT** port on the switcher to a PoE-compatible transmitter (not included). Category cables should use EIA/TIA-568B termination.
7. OPTIONAL: Connect an RS-232 control device to the **RS-232** port on the switcher. This port is used to control functions of the AT-HDVS-200-TX / AT-HDVS-200-TX-PSK, such as volume up/down, display on/off, etc.

   No power supply is required for the AT-HDVS-200-TX / AT-HDVS-200-TX-PSK. The unit will be powered over the category cable, from an HDBaseT receiver.

Cable Recommendation Guidelines

Refer to the tables below for recommended cabling when using Altona products with HDBaseT. The number of bars indicate the signal quality when using each type of cable. Higher-quality signals are represented by more bars.

Core	Shielding	CAT5e	CAT6	CAT6a	CAT7
Solid	UTP (unshielded)	▮	▮▮▮	▮▮▮▮	N/A
	STP (shielded)	▮▮	▮▮▮▮	▮▮▮▮▮	▮▮▮▮▮

IMPORTANT: Stranded or patch cables are not recommended due to performance issues.

Notes

Notes

Version 1

Warranty

To view the product warranty, use the following link or QR code:
https://atlona.com/warranty/.

English Declaration of Conformity

The English version can be found under the resources tab at:
https://atlona.com/product/at-hdvs-200-tx/.

English Declaration of Conformity

The English version can be found under the resources tab at:
https://atlona.com/product/at-hdvs-200-tx-psk/.

Chinese Declaration of Conformity 中国RoHS合格声明

由SKU列出於:
https://atlona.com/about-us/china-rohs/.

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